

**What Is Claimed Is:**

1. A system comprising one or more computers for determining a fair valuation of a company comprising:
  - 5 interpolation means capable of receiving as input fundamental financial data for a company and outputting valuation information for the company, wherein the valuation information output by the interpolation means is substantially derived by the interpolation means from the fundamental financial data and not substantially from time series market valuation data for the company.
- 10 2. The system of claim 1 wherein the interpolation means is a neural network.
3. The system of claim 1 wherein the valuation information output by the interpolation means comprises information regarding the current value of the company.
- 15 4. The system of claim 1 wherein the fair valuation information comprises a range of values that represent valuations of the company within a predetermined confidence level.
- 20 5. The system of claim 2 wherein the neural network is trained with test data relating to a preselected group of companies; and wherein, for each company, the test data comprises fundamental financial data and time series data and wherein input values to the neural network during training are derived from the fundamental financial data and model output values are derived from the time series data.
- 25 6. The system of claim 5, wherein the model output values are derived by filtering the time series data using a smoothing filter.
7. The system of claim 5, wherein the model output values are derived by filtering the time series data using a Hodrick-Prescott filter.
- 30 8. The system of claim 7 wherein a priority weight parameter in the Hodrick-Prescott filter has a value between 100,000 and 1,500,000.
8. The system of claim 7 wherein a priority weight parameter in the Hodrick-Prescott filter has a value of approximately 900,000.
- 35 9. The system of claim 7 wherein a priority weight parameter in the Hodrick-Prescott filter has a value of approximately 900,000.

10. The system of claim 5, wherein the time series data is time series market valuation data.
11. The system of claim 1, wherein the fundamental financial data comprises accounting information.  
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12. The system of claim 1, wherein the fundamental financial data comprises industry-group-specific information.
- 10 13. The system of claim 6 wherein cyclic residuals are derived from the filtered time series data and a range of values that represent valuations of the company within a predetermined confidence level are derived from the cyclic residuals.
14. The system of claim 1 wherein the company being valued is privately held.  
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15. The system of claim 1 wherein accounting information is available for the company being valued but no market information is available.
16. The system of claim 2 wherein the neural network has a plurality of output nodes comprising median value information and information regarding endpoints for a range of values that represent valuations of the company within a predetermined confidence level.  
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17. A system comprising one or more computers for determining a fair valuation of a company comprising:  
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a neural network capable of receiving as input fundamental financial data for a company and outputting valuation information for the company,  
wherein the valuation information output by the neural network is substantially derived by the neural network from the fundamental financial data and not  
30 substantially from time series market valuation data for the company.
18. A method of determining a fair valuation of a company comprising the steps of:  
interpolating fundamental financial data for a company and  
outputting valuation information for the company,

wherein the valuation information is substantially derived from the fundamental financial data and not substantially derived from time series market valuation data for the company.

- 5 19. The method of claim 18 wherein the step of interpolating is performed by a neural network.

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